

November 2002

An online publication of the Public Affairs Office at Lawrence Livermore National Laboratory

Lab in the Community

Community Science Lecture Series Looks At Earthquakes

LNL's David McCallen will be the next Community Science Lecture Series presenter on November 14 at the Livermore High School Auditorium. Dr. McCallen, Director of the Laboratory's Engineering Technology Center for Complex Distributed Systems, will give a talk entitled "Computer Modeling: Predicting Effects of Major Earthquakes." He will discuss computer modeling's role in emerging earthquake prediction capabilities and how it will lead to safer earthquake resistant structures.

Livermore High School is located at 600 Maple Street in Livermore. Dr. McCallen's talk will begin at 7 p.m., and it is free and open to the general public. Seating is on a first-come basis.

For more information on the Community Science Lecture Series, go to <http://www.llnl.gov/llnl/06news/Community/lecture.html>.



David McCallen will present "Computer Modeling: Predicting Effects of Major Earthquakes."



Lawrence Livermore
National Laboratory

*Making History
Making a Difference*

1952-2002



University of
California



National Nuclear
Security
Administration



U.S. Department
of Energy

Around the Lab

Glenn Mara Appointed Deputy Director

Laboratory Director Michael Anastasio has named Glenn Mara as Deputy Director of Operations. In his new role, Mara will be responsible for all Laboratory operational aspects and elements and will assure that the Laboratory's performance meets all requirements and regulations.

In addition, it will be Mara's responsibility to continue to foster successful relationships between the Laboratory, the University of California, the National Nuclear Security Administration, DOE, and the Laboratory's many external partners.

Mara, who has spent his entire 30-year career at the Laboratory in the science and technology areas, has served as the acting deputy director since July. He cited his appointment as an "exciting challenge" in defining and setting the course of the Laboratory for the next 50 years.

"It's also an opportunity to give something back and help attract, develop, and 'set the table' for the next generation of Laboratory scientists, engineers, technicians, crafts men and women, administrators, and so on," Mara commented about his new position.

Calling himself a "hands-on" manager, Mara said that he hopes to keep his finger on the vital pulse of the Laboratory, as well as be open to creativity and ideas from the workforce.

For more on Mara's appointment see **Recent Headlines** below.



Glenn Mara

Let us hear from you

Contacts:

Community Relations Manager
Barry Schrader
(925) 423-3567,
schrader2@llnl.gov,

• • • • •

Community Relations Officer
Scott Wilson
(925) 423-3125,
wilson101@llnl.gov

• • • • •

Community Relations Officer
Christine Mixan
(925)-422-3138,
mixan1@llnl.gov.

• • • • •

Visitors Center Coordinator
Linda Lucchetti
(925) 4225815
lucchetti1@llnl.gov

Laboratory's American Indian Program Honored

The Council of Energy Resource Tribes (CERT) honored the Laboratory with this year's American Indian Spirit Award at a ceremony in Denver, Colorado on October 2. Chairman Alvin Windy Boy of the Chippewa Cree Tribe presented the award to Laboratory Executive Officer Ron Cochran.



Lab Executive Officer Ron Cochran accepts the Council of Energy Resource Tribes' American Indian Spirit Award from Chairman Alvin Windy Boy of the Chippewa Cree Tribe.

The Laboratory was cited for its 'continued dedication and commitment to Native American education and leadership.' "This award is a very special honor", stated Cochran. "The Laboratory is proud of its relationship with CERT and its commitment to providing scholarships and technological support to American Indian tribes."

The annual ceremony is the largest American Indian educational fund raising event in the country. Proceeds benefit such programs as a pre-college academic enrichment institute, scholarships, and internships for American Indian students.

Visit Our
Web Site

Visit our
Website at
[http://www.
llnl.gov](http://www.llnl.gov)
where you
will find the
latest
Laboratory
news,
publications
and other
helpful
information
by
clicking
on "News
and
Public
Affairs."



Created by member tribes, CERT is an organization that promotes tribal energy efforts and increased educational opportunities for American Indian youth. For more on the CERT award see **Recent Headlines** below.

Discover the Laboratory's New *Discovery Center*

The Laboratory's visitors center has a new look and a new name. The new Discovery Center is a window into the Laboratory, offering a look at its past, present, and future. A history tunnel welcomes visitors with both the sights and sounds of scientific achievements over the past five decades.

The Discovery Center is divided into three distinct zones, representing the major areas of the Laboratory's focus: Safety, Reliability and Performance of the U. S. Nuclear Stockpile; Homeland Security and the War on Terrorism; and Science and Technology in the National Interest. A unique video viewing area is available inside a small replica of the National Ignition Facility target chamber.

Everyone is welcome at the Discovery Center, located on Greenville Road at East Gate Drive. No badging is necessary. It is open Monday through Friday from 1 – 4 p.m. Contact Linda Lucchetti, Discovery Center coordinator, at (925) 422-5815 for further information.

Science and Technology

LLNL Researchers Earn Six R&D 100 Awards

The trade journal R&D Magazine has bestowed R&D 100 awards on six Laboratory research teams for outstanding scientific achievement in

Subscribe

Feel free to
send this
newsletter to
a friend or
colleague
who might
want to
subscribe.



To subscribe,
or if at any
time you wish
to stop
receiving this
newsletter,
simply
e-mail

wilson101@llnl.gov



the fields of lasers, DNA research, medical technologies, semiconductors and data storage. The awards specifically honor new technologies that hold commercial potential.

LLNL received more R&D 100 awards this year than any other scientific institution or organization. The Laboratory has garnered 91 awards since 1978. In all, DOE laboratories won 26 awards this year.

For more on the R&D 100 Awards see **Recent Headlines** below.

About Us

Come Tour the Laboratory



The Laboratory's Public Affairs Office is now offering a new, expanded tour of the Laboratory that includes stops at the Biology & Biotechnology Research Program, the National Atmospheric Release Advisory Center, and the Advanced Simulation and Computing Initiative building. Starting this month, the tour will also include a visit to the National Ignition Facility, which houses the world's largest and most powerful laser.

The two-hour tour is offered Tuesdays and Thursdays starting at 9 a.m. U.S. citizens must register at least two weeks in advance. Non-U.S. citizens must register at least sixty days in advance. Special tours can be arranged for groups of eight or more with two weeks' advance notice. All tours are free. For more information on the tour program go to www.llnl.gov/pao.

Laboratory 50th Anniversary Website

A Website featuring a comprehensive timeline of the Laboratory's history is available online. The timeline, arranged by decade, includes a

We Want Your Ideas

Your ideas on how we can improve this newsletter, or our Laboratory programs, are welcomed. Please forward any comments or questions you may have to Scott Wilson (925) 423-3125, wilson101@llnl.gov.



November 2002

variety of pictures, stories, news articles and quicktime movies on the people and events that have shaped the Laboratory since its inception in 1952.

To view this fact-filled Website go to www.llnl.gov/timeline.



As shown on the LLNL timeline for 1998, Livermore scientists examined how materials were organized on surfaces and conducted their examinations on an atom-by-atom and molecule-by-molecule basis.

“Technology Today”

“Technology Today,” a television program designed to help inform our neighbors about activities at Lawrence Livermore National Laboratory, airs each Monday evening at 8:30 p.m. on the Tri-Valley’s community cable television station, Channel 30. If you have a topic that you’d like to see discussed on “Technology Today,” please call (925) 424-4822.

Recent Headlines

You may be interested in these recent articles from the Laboratory’s weekly newspaper, *Newsline*. These stories can be viewed by visiting the Public Affairs Website at <http://www.llnl.gov/llnl/06news/Employee/2001index.html> Call or e-mail us if you would like more information.

Visit Our
Web Site

Visit our
Website at
[http://www.
llnl.gov](http://www.llnl.gov)
where you
will find the
latest
Laboratory
news,
publications
and other
helpful
information
by
clicking
on “News
and
Public
Affairs.”



- Sir Arthur C. Clarke joins Lab futures odyssey (Oct. 4, 2002)
- ‘Jamboree’ to examine bacteria that ferment foods (Oct. 4, 2002)
- American Indian Program honored (Oct. 11, 2002)
- Physicist earns award for outreach to Africa (Oct. 11, 2002)
- Symposium gives teachers hands-on Lab experience (Oct. 11, 2002)
- Former Energy secretaries pay tribute to DOE during 25th anniversary ceremony (Oct. 11, 2002)
- Mara named Deputy Director (Oct. 18, 2002)
- Lab teams garner six R&D 100 awards (Oct. 18, 2002)
- Homeland Security taps Lab experts (Oct. 25, 2002)
- New joint Biophotonics Center unveiled (Oct. 25, 2002)
- ASCI simulations illuminate high explosives (Oct. 25, 2002)
- Grant benefits ETEC’s rural education efforts (Oct. 25, 2002)

Let us hear from you

You can reach Community Relations staff directly by contacting either Community Relations Manager Barry Schrader (925) 423-3567/e-mail: schrader2@llnl.gov, or Community Relations Officers Scott Wilson (925) 423-3125/e-mail: wilson101@llnl.gov and Christine Mixan (925)-422-3138/e-mail: mixan1@llnl.gov.

Your ideas on how we can improve this newsletter, or our Laboratory programs, are welcomed. Please forward any comments or questions you may have to Scott Wilson (925) 423-3125/e-mail: wilson101@llnl.gov. Also, visit our Website at <http://www.llnl.gov> where you will find the latest Laboratory news, publications and other helpful information by clicking on “News and Public Affairs.”

